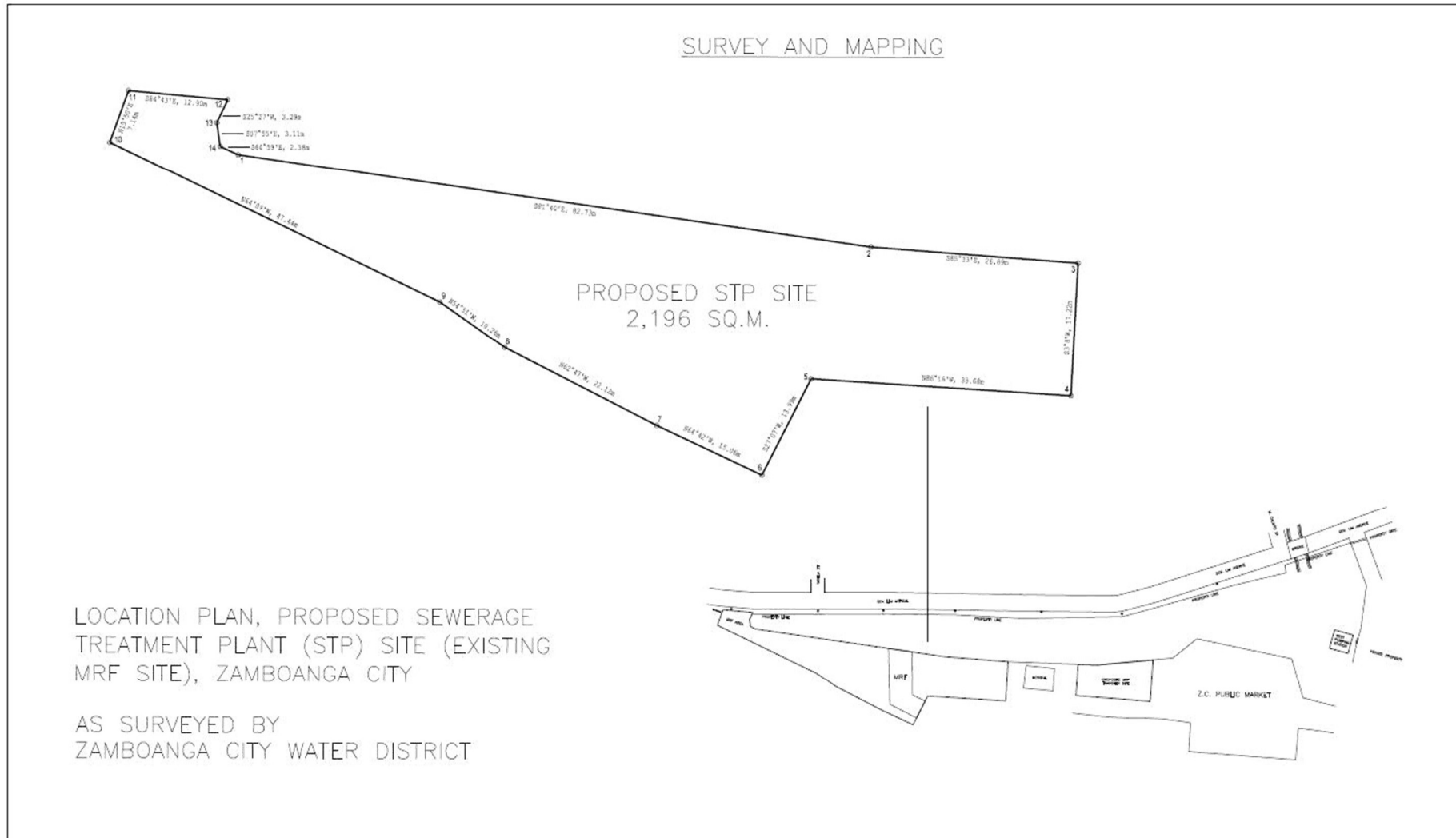


REFERENCE DESIGN AND DRAWING FOR THE PROPOSED MRF



9. SURVEY AND MAPPING

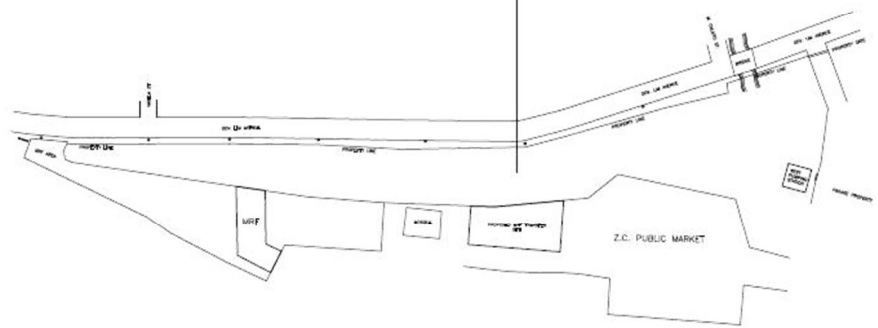


SURVEY AND MAPPING

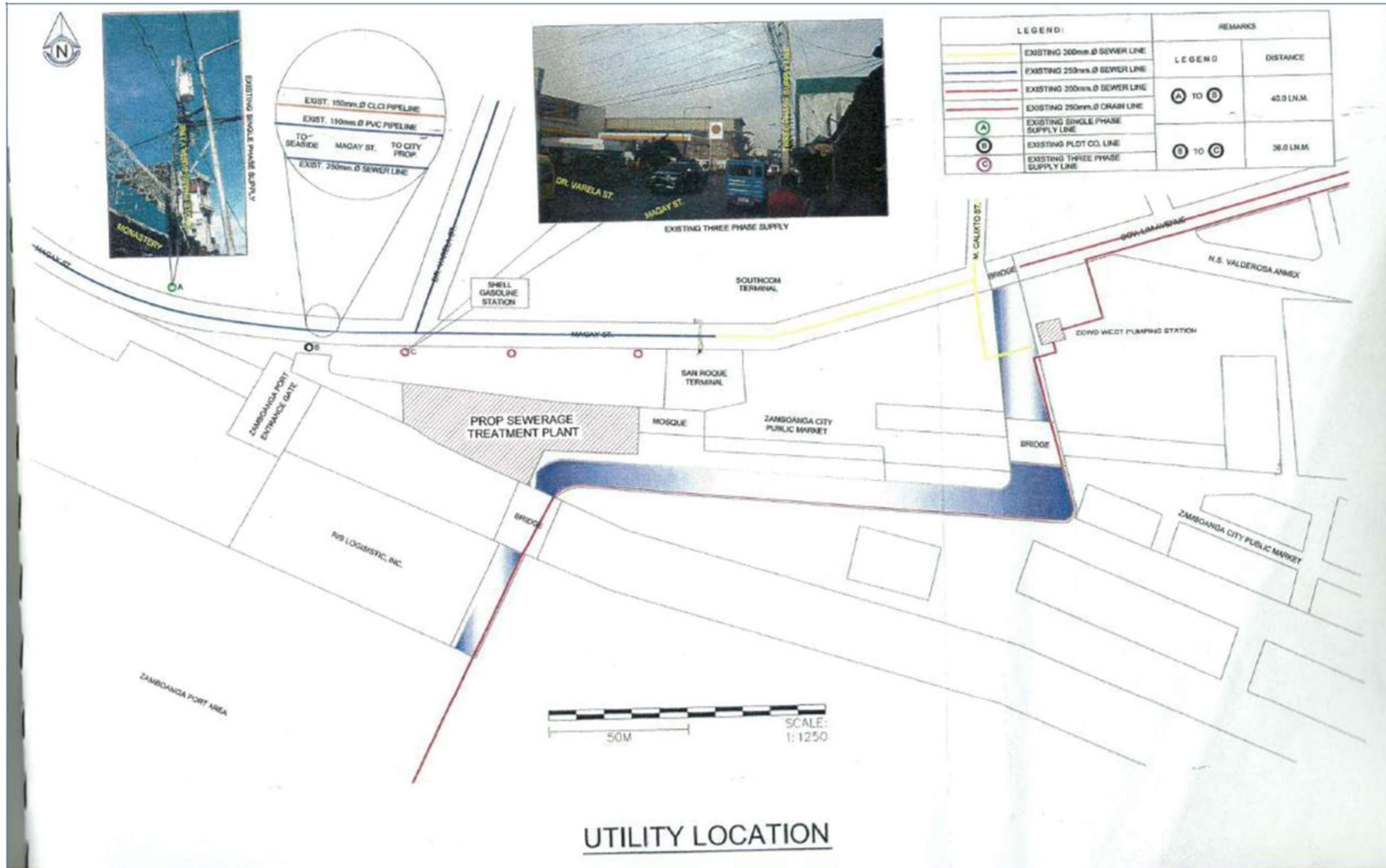


LOCATION PLAN, PROPOSED TRANSFER
OF MATERIAL RECOVERY FACILITY (MRF),
PUBLIC MARKET, ZAMBOANGA CITY

AS SURVEYED BY
ZAMBOANGA CITY WATER DISTRICT



10. UTILITY LOCATIONS



UTILITY LOCATION

11. GEOTECHNICAL INVESTIGATION

ADVANCED GEOTECHNICAL ENGINEERING SERVICES

Soil Investigation and Materials Testing Remote & Dynamic Pile Testing (PDA)
Pile Integrity Testing (PIT) Static Load Testing Cross-Hole (Ultrasonic) Testing



1. INTRODUCTION

This Final Geotechnical Report is in accordance with the contract Agreement entered into between AECOM International Development, Inc. – herein referred to as the “Client”; and Advanced Geotechnical Engineering Services (AGES) with main office address at 103 Dunhill Street, East Fairview, Quezon City, for the latter to conduct the geotechnical investigation work, in connection with the proposed Sewage Treatment Plant for Zamboanga Water District located at Magay St., Barangay Zone IV, Zamboanga City.

This Final Report contains the borehole location plan, idealized soil profile, final boring logs, laboratory test results, and photographs taken during the actual field work, and the final evaluation and recommendations for foundation design of the proposed project.

2. OBJECTIVE AND SCOPE OF WORK

The main objective of the investigation is to assess the general subsurface condition of the project site, and to provide recommendations relevant to the foundation design of the above-mentioned project.

The Client’s authorized Scope of Work calls for the drilling of two (2) boreholes to target depth of thirty (30) meters, the conduct of the necessary laboratory testing on selected soil samples, and the submission of this final geotechnical report.

The specifications, as set forth in the Contract, were adhered to in the conduct of the investigation.

103 DUNHILL STREET, FAIRVIEW PARK SUBDIVISION, EAST FAIRVIEW, QUEZON CITY
Tels.: (632) 939-63-68 / 921-13-22 Fax: (632) 427-49-40

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3. THE PROJECT SITE

The proposed site, located at Magay St., Barangay Zone IV, Zamboanga City, is situated inside the compound of Material Recovery Facility near the Philippine Ports Authority (PPA) and main public market. The proposed site is currently surrounded by existing low-rise residential and commercial structures, and is near a creek.



Figure 3-1. Project Site Location from Google Earth

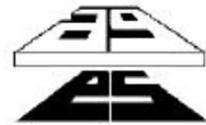
The perspective of the proposed sewage treatment plant provided by the client is shown in Figure 3-2 below.



Figure 3-2. Perspective of the Proposed Sewage Treatment Plant

Final Geotechnical Report for the Proposed Sewage Treatment Plant for Zamboanga Water District, Magay St., Brgy. Zone IV, Zamboanga City. ²

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The proposed sewage treatment plant will be constructed about 6m below the existing ground surface within the compound of the existing Material Recovery Facility (MRF). Some of the low-rise structures within the project site will be demolished to give way for the construction of the proposed sewage treatment plant.

Photographs of the actual borehole location and drilling activity are shown below.



Figure 3-3. Actual Borehole Location & Drilling Activity

Final Geotechnical Report for the Proposed Sewage Treatment Plant for Zamboanga Water District, Magay St., Brgy. Zone IV, Zamboanga City. ³

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